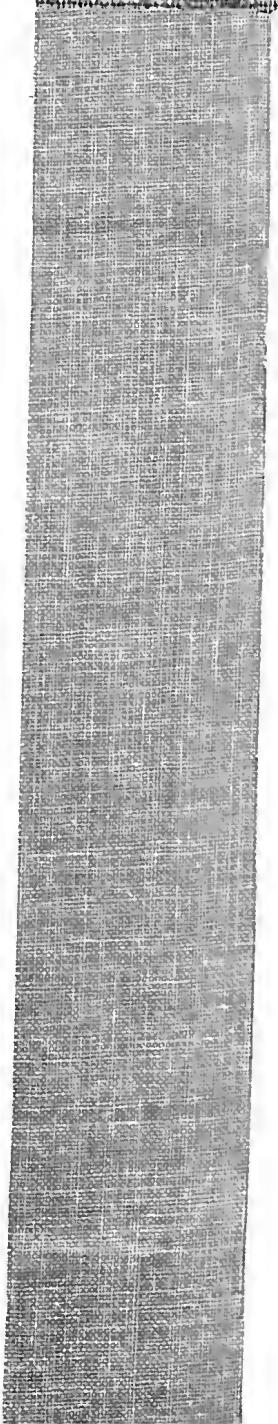
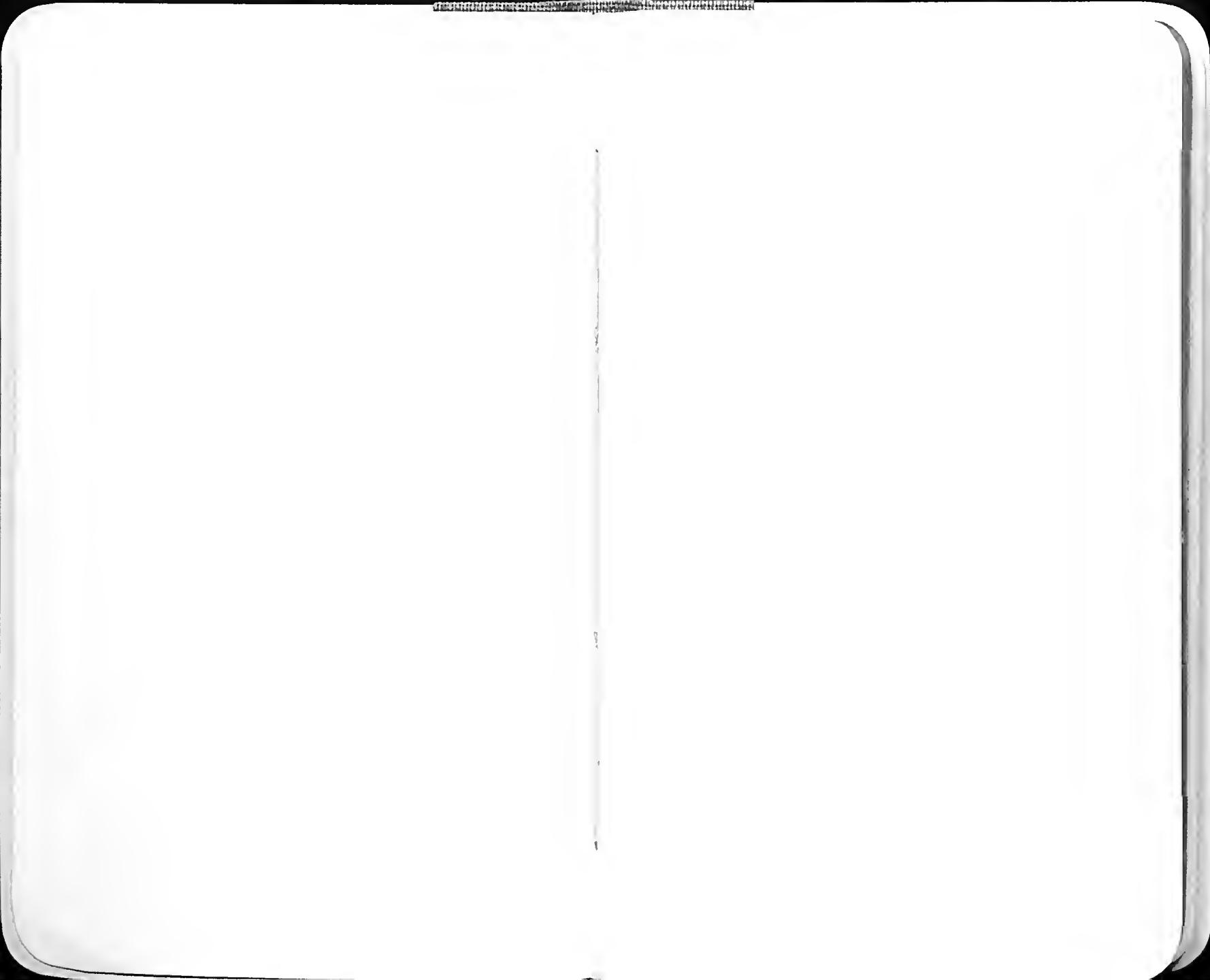


Vol. 135





135 Eastern Cuba
a) Shaffer Oct. 1909
Lat. 24° 0' - 32°

136-8

Cayo Guajala
n. Wind, "Pueblo Guajala"
flat white sand land

2430 Upright shrub

4-5 ft. fls yellow

2431 Matopium barkgray

sunspradng tree 15 ft. pedicellate

2432 Jacequia greyensis

6-8 ft. ram. fls white fragrant

2433 Convolvulaceae

5 ft. over bushes. fls white

Cayo Romano

near Pueblo Romano

hill up to 50 ft. much lime

rocky clearings of sisal

2434 Shrub

3-5 ft. yellow

2435 Eupatorium annuale

3 ft. fls small white,

- ✓ 2436 *Cassia*
 Thorny shrub 4-5 ft, fls yellow
 ✓ 2437 Shrub, fol. gray
 5-6 ft, fls purple
 ✓ 2438 *Santana*?
 3-6 ft, fls purple
 ✓ 2439 *Guttarda*?
 Shrub 10-12 ft, fls white
 ✓ 2440 *Solanum*
 5 ft, fls purple, fl. red
 ✓ 2441 Shrub
 6 ft, fls greenish
 ✓ 2442 *Erigeron*?
 herb 1 ft, white
 ✓ 2443 *Rubiaceae*
 herb, 8-12 in, fls white
 ✓ 2444 Shrub, fol. grayish
 6 ft.
 ✓ 2445 *Smilax*
 woody vine, many ft, fl. red & black
 ✓ 2446 Vine, woody
 3-6 ft., apocynacean
 ✓ 2447 *Cordia*?
 6 ft. straggly, fls. white, fl. red
 ✓ 2448 Malpig. vine 4-6 ft
 fls bl. blue
- ✓ 2449 *Streblacean?* fol. grayish
 Shrub 6-10 ft, fls white
 ✓ 2450 *Bursera* shrub bran. pendulous,
 6 ft, fls greenish, fl orange red
 ✓ 2451 *Passiflora*
 fls red 1 to 1½ in across
 ✓ 2452 *Melastomaceae*
 2 ft. yellow
 ✓ 2453 *Mikania*?
 2-3 ft, fls white
 ✓ 2454 *Surgiuca*
 Vines 6-12 ft, fls white
 ✓ 2455 *Ficus*? milky juice
 3-4 ft. long tree to 25 ft. miscan
 ✓ 2456 Straggling shrub
 6-8 ft, fr. pink, bluish
 ✓ 2457 Palm, Ech. section 8-15 ft
 inf. small, dry, thin trunks. Photo
 Depth along rocky, flat, low
 land & on slopes, more
 "bush" low often very dense
 ✓ 2458 *Melastomaceae*
 2 ft. yellow
 ✓ 2459 *Convolvulacean*
 vine 4-8 ft fls deep blue

- ✓ 2460 *Mecanopsis*
 2 ft, fls yellow, fol small
- ✓ 2461 *Portulacea?*
 fls yellow, - in pockets of soil in rock
- ✓ 2462 *Erodium*
 6-8 in fls white seen near in fields
- ✓ 2463 *Stylanthus?*
 6-12 in fls yellow
- ✓ 2464 *Bromelias*
 vnum 2-3 ft, fls bluish
- ✓ 2465 *Craecas?*
 12-15 in fl. dark blue
- ✓ 2466 *Stereolinaeag?*
 6-10 ft, upright, fls white
- ✓ 2467 *Vitex* - tree or shrub
 12 ft, upright fls blue
- ✓ 2468 Tree
 18 in fls small white
- ✓ 2469 *Ranuncula?*
 strict shrub 4-5 ft
- ✓ 2470 *Plumeria*
 4-8 ft, fls white
- ✓ 2471. Small tree
 10-12 ft, fls white
- ✓ 2472 5 ft
 6-8 ft fls yellowish
- ✓ 2473 Shrub
 6 ft, fruit black
- ✓ 2474 *Duranta?*
 slender shrub, fls blue, fruit yellow
- ✓ 2475 Upright shrub
 8-10 ft
- ✓ 2476 Seg. vine
 3-4 ft, fls pinkish
- ✓ 2477 *Exostema?*
 slender shrub, fls pinkish
- ✓ 2478 Seg. shrub
 3 ft, fls yellow
- ✓ 2479 Small tree
- ✓ 1 ft, fruit red
- ✓ 2480 Straggling shrub
- ✓ 6-8 ft fls greenish yellow
- ✓ 2481 Grass
- ✓ upright, fls white
- ✓ 2482 *Thomlisonia*
- ✓ 3 in in pockets of soil etc.
- ✓ 2483 Grass
- ✓ 6 in upright fls of red
- ✓ 2484 *Ampelopsis?*
- ✓ 1 ft, fls white
- ✓ 2485 *Apoc. vine*
 many fls fls yellow fruit

- ✓ 2486 Shrub
 3 ft. linear leaves pink flowers
- ✓ 2487 Shrub
 6 ft. fl yellowish green
- ✓ 2488 Rynchospora?
 6 in. marsh pockets
- ✓ 2489 Euphorbia
 3-4 in. marsh pockets
- ✓ 2490 Strict Shrub
 5 ft.
- ✓ 2491 Pickeringia? or
 8-10 ft. mammel
- ✓ 2492 Shrub or tree?
 10 ft.
- ✓ 2493 Cassia
 5 ft. yellow mammel
- ✓ 2494 Asclepias? vine, milky
 6-10 ft. fl white
- ✓ 2495 Shrub or tree
 10 ft. fl yellowish
- ✓ 2496 Cypress
 1-2 ft. fl. bluish
- ✓ 2497 Malva? or
 straggling shrub. No England
- ✓ 2498 Asclepias? vine, milky 3 ft.
 fl white small.
- ✓ 2499 Sag.
 12 in. yellowish
- ✓ 2500 Shrub
- ✓ 2501 Pieris? or?
 - 2 ft. pink fragrant red
- ✓ 2502 *Ceratostigma* 3 ft.
 (purple in flower)
- Silla de Cayo
 rough rocky low rock hills south of 230
 ft. high. Ground dry about 100) dense
 low brush, more protuberant mounds
 larger on S. side
- Beach, mostly sandy (white) with
 many palms, few exposures flat
 rocks. Saguan, Litorium hill and
 beach.
- Sandy beach
- ✓ 2503 Comp. herb
 straggling 4 ft. flowers white
- ✓ 2504 Mistletoe
- ✓ 2505 Tree 25 ft spreading 40 ft 8 in.
 fl yellow
- ✓ 2506 Capparis
 tree 20 ft

- ✓2507 *Croesusia* slender
 5 ft. fruit red
- ✓2508 *Iva?* fls. whitish
 creeping & rooting on sand many ft.
- ✓2509 grayish herb
 2-4 in. fls. white
- ✓2510 *Euphorbia* small
 flat on white sand fls. white
- ✓2511 aromatic herb
 3-6 in. marshy, flat, fls. yellow
- ✓2512 grass
- ✓2513 fleshy herb by Saguaro
 9-12 in. fls. white
- Get 10 N side of hill, rough per-
 forated limestone rock, dense
 growth
- ✓2514 *Pistaria* fls. whitish
 3-5 in. in environs of Agua Calientes
- ✓2515 *Tecoma* fls. pink
 shrub 8-10 ft. branches spreading
- ✓2516 Slender shrub
 10 ft.
- ✓2517 *Sauvagea* shrub.
 Stems, 5-8 ft. fls. white
- ✓2518 Slender
 8 ft
- ✓2519 Slender
 6 ft fruit dry
- ✓2520 *Croton*?
 Slender 10-12 ft
- ✓2521 *Oncidium*
 small on 2520 fls. yellow
- ✓2522 Slender
 8 ft. fls. yellowish
- ✓2523 *Capparis*
 slender shrub 6 ft. fruit short
- ✓2524 Slender
 6 ft. yellowish
- ✓2525 *Capparis*
 6-8 ft straggling
- ✓2526 *Eupatorium*
 3-4 ft. fls. whitish
- ✓2527 spreading tree
 spiny 13 ft.
- ✓2528 strict shrub.
 6 ft. fruit light red
- ✓2529 *Passiflora*
 fls. yellowish
- ✓2530 tree
 10 ft. fruit black

- ✓2531 Shrub? 10 ft.
 ✓2532 Shrub
 ✓2541 8 ft. fl. black
 mostly top & S side of hill between
 mountain, trees larger
 ✓2533 Shrub
 8 ft. branches long, pointed, fl. black
 ✓2534 Tree
 20 ft. fl. black
 ✓2535 Upright branched tree
 15 ft. (Eugenia?) fl. black
 ✓2536 Upright shrub or tree
 ✓2537 Epidendrum
 not "bulbiferous" low plant
 ✓2538 Epidendrum
 "bulbiferous" low plant
 along beach (with sand) and
 Saguina (flat limestone) to small
 salt marsh backward
 ✓2539 Portulaca?
 ✓2540 Spreading tree
 20 ft.
 ✓2541 Euphorbia
 6 in fl. white
- ✓2542 Spreading tree
 20 ft. fruit green
 ✓2543 Euphorbia fl. white
 upright in sand & shade
 street shrub
 ✓2544 8-10 ft. fl. greenish
 Avernumia
 in fruit
 ✓2545 Spreading shrub
 str. and 5 ft. Edge of salt marsh
 ✓2546 Spreading tree
 26 ft. x 20 ft
 Oct-12. Cayo Paloma
 Rocky (perpetual limestone) probably
 1 mile long, 1/4 mile wide, S.W. half
 hill to 50 ft. bush & tree dress, soil
 often rich others larger, less so seen
 so far many of the islands, SE end low
 flat rock & man grown (Pithecellobium)
 pruned, several species fishermen's
 families, common
- ✓2547 Herb like (Euphorbia?)
 3 ft. fl. whitish
 ✓2548 Malvaceae
 3-4 ft. fl. red
 ✓2549 Fls like vicaria (Cupressus)
 fruit grayish, run 15-20 ft

- ✓2551 Selagia
 Tufts, 15 in.
 ✓2552 Samph.
 3-6 ft. yellow
 ✓2553 Shrub
 8 ft.
 ✓2554 Spreading tree
 15-20 ft.
 ✓2555 Tree, malpighiaceous
 up to 15 ft. bl. pink, fl. red.
 ✓2556 Tree
 25 ft.
 ✓2557 Shrub, euphorbiaceous
 10 ft.
 ✓2558 bl. pinkish
 ✓2559 spreading tree 2 ft x 3 in.
 pendulous branches
 ✓2560 Ximenesia
 spreading tree 25 ft. bl. yellow-green
 ✓2561 Bonaz, vine
 5 ft. over bushes
 ✓2562 Spreading tree
 15-20 ft. bl. yellowish
 ✓2563 Tree, vine
 bl. pinkish purple
- ✓2564 Passiflora
 bl. yellow fl. purple
 ✓2565 Grass
 ✓2566 weak shrub
 ✓2567 6 ft. bl. blue fl. yellow
 Cassia
 ✓2568 6-8 ft. fl. yellow
 ✓2569 Tree
 spreading tree 20 ft
 ✓2570 Grass, 2 ft-3 ft
 near mangrove swamps
 ✓2571 Smilax, woody vine
 fl. yellowish or marsh white
 ✓2572 Grass
 woody climber 6-8 ft
 ✓2573 Crotalaria?
 spreading, woody bush, fl. yellow
 ✓2574 Sapirostachys
 Shrub 5 ft. fl. yellow
 ✓2575 Tillandsia
 branched fl. blue
 ✓2576 Grass
 in tufts
 ✓2577 Bromeliad, fl. red
 with seedlings

- ✓2577 *Subiquia spinifera*
 single leaf
- ✓2578 *Paspalum?*
 in open places in woods
- ✓2579 *Cassia*, few spines 1 ft
 among rocks
- ✓2580 *Succowia* *Cladonia*? *Eugenia?*
 20 ft. fl. yellowish round
- ✓2581 *Guadaluchia?*
 woody? stems, expnd. rocks
- ✓2582 *Cassia*
 3 ft. fl. small yellow
- ✓2583 Small tree 15 ft
 fl red q = 2580
- ✓2584 *Turon Verbenia?* fl. bl. thin
 probably escaped, near abandoned
- ✓2585 Small tree
- ✓2586 12 ft. fl. black
- ✓2586 Sab. aromatic
- ✓2587 1-2 ft. fl. habitat like 2584
 large tree dark water
 on of the largest on Cay. up to 10 ft
- ✓2588 Euphorbia.
 in pocket of rock on much exposed rocks
- ✓2589 * *Syzygium*
Jacquinia
- ✓2590 ~~✓~~ *Rhamnus* (Rhamnus)
 ✓
- ✓2591 Little yellowish
- ✓2592 *Ficus?*
 spreading tree 30 ft
- ✓2593 *Canarium*
 4-10 ft. fragments
- ✓2594 *Amorphoxylon*
 5-8 ft. fl. yellowish
- ✓2595 Tree 18 m
 leaves white 200 ft?
- ✓2596 Shrub
- ✓✓
 ✓2597 *Selaginella*
 fl. pink
- ✓2597a *Selaginella*
 no spurs
- Oct 18th.
 "Cayo Piedra" part of Cayo
 Guajala, flat-topped rocks,
 (measured for water)

✓2598 Sophora?

Slumb 3-5ft fl yellow

✓2599 Cadia

3 ft, manured, fl yellow

✓2600 Acacia?

hairy vine-like slumb, over

bushy, 8-10 ft fl white pink 1/8 in.

✓2601 Milky tree, leaves fresh,
small white fls,

Oct 19 Punta Jucaro on

Cayo Romano, Sisile.

Soil brown & black, bank of
Avicennia bush dense w/
low trees or shrubs - little 10-20
ft tpy.

✓2602 Guana Sano "Thunbergi"

15-25 ft, light, leaf soft, legume
abov, bluish white flowers,

inf. long as frap. succulent
fl. 4 ft 3/16 in, white yew, leaf
edges curved with dense "wool"
which is scraped off and used
to stuff pillows etc, wood section

D Photo Cloth cover, fine
manured, "part worn"

✓2603 Guana Coecotlensis?

10-30 ft, tree, bran. corrugated
very glossy; abov silvery white
bark, inf. much smoother
than brach. Bright orange when
ripe fruit, skin, proplished red

"hairy" at base of young bran,
"cloth" medium, coarse, well
covered, wood section Photo

✓2604 Acacia.

Tree 25-30 ft, quite common
but not much seen elsewhere
other day.

✓2605 Villandrea

base bulbiform 5 ft;

✓2606 Epistachium

in plant

Oct 20 Salina de la Principal

Cayo Romano

Bank of Coreocarpus.

Soil of sulfur parts consisting of
small white fragrant cover.
parts marsh and salt marsh

✓2607 Convolvulus

vine many fls fl scarlet

✓2608 Coup,

slumb like 3-5 ft white

Stubb

- ✓ 2609 *Crescentia blattifolia* white fls.
 struc thick & very bran. S. L. 2622 Small tree
 fls white
- ✓ 2610 *Mimelina* or *uritopium*
 corolla terra cotta
- ✓ 2611 S. L. mbr.
 3-4 ft. fls white
- ✓ 2612 *Mimelina* or *uritopium*
 bl. yellowish
- ✓ 2613 Vines, many leaves
 fls small, white
- ✓ 2614 Grass
 2 ft.
- ✓ 2615 *Sagittularia*?
 shrub 3-4 ft.
- ✓ 2616 *Santana*?
 3 ft. white
- ✓ 2617 *Astragalus*
 2 ft. yellow
- ✓ 2618 *Passiflora*
 fl white fls 1 1/4 in in d
- ✓ 2619 Strict Semis
 3-4 ft. fl. red
- ✓ 2620 *Pithecellobium*
 4-5 ft. leaves pink
- ✓ 2621 Slender shrub
 3-4 ft. corolla pink
- ✓ 2622 Small tree
 fls white
- ✓ 2623 *Euphorbia*
 2-4 in
- ✓ 2624 *Cyperus*
 2-3 in
- ✓ 2625 *Euphorbia*
 2-3 in
- ✓ 2626 Grass
 6 in
- ✓ 2627 *Guzmania*
 white also blue
- ✓ 2628 *S. alieomma*?
 4-8 in green
- ✓ 2629 *Circe jojobanah*
 infl red, 12-15 in
- Oct 21 Some de Soto. all
 about 1 mile inland through a
 succession of lagunes - runs
 about east & west, 1 1/2 or 2 miles
 1/2 mile across, about 100 ft high
 soil ^{black} clay on a broken limestone
 ledge, with much brown rock
 base inland thickets with
 much *Tillandsia* in order

2630 avicennia
seedlings

- ✓ 2631 Fls large
1 ft. fruit yellow
- ✓ 2632 Spiny shrub
2 ft. fls yellow
- ✓ 2633 2 ft. fls yellow
- ✓ 2634 2 ft. fruit red
- ✓ 2635 9 ft. flowers
1-1½ ft. fls blue
- ✓ 2636 20 seedlings
fls white
- ✓ 2637 Convolvulus? vine
fls bright blue
- ✓ 2638 2 ft. broad vine yellow
- ✓ 2639 4-5 ft. fls pinkish
- ✓ 2640 Herb.
fls yellow
- ✓ 2641 6 ft. fls yellow
Cayo Romana
- ✓ 2642 9-12 in fls pink
Tillandsia
small green

2643 Number stopped

- ✓ 2644 Pseudobombax, very abundant
10 to 20 ft., bud good to eat
- ✓ 2645 Linaceum
Tree to 30 ft. 7.6 m.
- ✓ 2646 Psychotria
3-4 ft. tall
- ✓ 2647 Tree
to 25 ft.
- ✓ 2648 Tree milky juice
25 ft.
- ✓ 2649 Celtis
Shrub 6-8 ft.
- ✓ 2650 Polypharmacy
creeping at base
- ✓ 2651 Epidendrum living
small bulb
- ✓ 2652 Epidendrum living
large bulb
- ✓ 2653 Selaginella
- ✓ 2654 Opuntia, few spines
in shade and in water

Cayo Calabas Nuevo

3 small rocky keys,
brownish vegetation
rich, soil rich, black
mosses numerous, bright

Cayo Calabas

✓ 2655

Tree

25 ft x 4 in Philadelphus red

✓ 2656

Tree

15 ft x 3 in ph. not black

✓ 2657

Tree

20 ft x 6 in

✓ 2658

Spiny Tree

20 ft, fls yellow

✓ 2659

Zamia ?

near thin water

✓ 2660

Cerros, flms like agave

15 ft, fls yellow, Cayo Sagua like

Cayo Calabasa

✓ 2661

Slender

4-5 ft fls white

✓ 2662

Selviciurus ? living
spiny

✓ 2663

Selviciurus
not spiny

Cayo Sagua

very rocky, about 30 ft high
in crevices

✓ 2664 Pilosaria near thin water

1-3 in in shrub, Tuna

✓ 2665 Tillandsia small
by thin stem

✓ 2666 Inga sp.
on slender by thin stem

✓ 2667 Slender on rocks
ph. red

✓ 2668 slender, mimosaean
3-4 ft, slender fls white in tracks

✓ 2669 Cyperus

✓ 2670 "Itra," Inga like
on rocks

✓ 2671 S. shrub

✓ 2672 Selviciurus
3-5 ft fl white

✓ 2673 Selviciurus living
not ribbed

✓ 2674 Selviciurus
short pointed tufts
on damaged stems

✓2675 Schizocerurus

Erriping in ground with
thin

✓2676 Cayo Romano

near S end

Sandy soil, weathered

✓2677 & Convocarpus pauciflora

Shrubby tree 25' x 25'
Wetted ditch bank, slant.

✓2677 Blvd, f. green

Small

Stems, 4-6 ft. fl yellow

Oct 23

Cayo Cocos

SW end, mostly Rhizophore
ous, with very shallow water.

flat rocks, area upon gypsum

area, Convocarpus common

est 7 m.

✓2678 Shrub or spreading tree

25x15 ft., fl purple, bl fl red

✓2679 Tillandsia

on 2678

✓2680 Ipomoea

var 6 ft. bl pink

✓2681 Epidendrum

on Convocarpus large leaf

✓2682 Sig vine

fls small yellow

✓2683 Bradburya

3 ft.

✓2684 Sig, vine 5 ft,
fls brownish red

✓2685 Graea?

3 ft. fls bluish

✓2686 Camaroptera
fls bluish white?

✓2687 Gerardia

✓2688 12-15 in fls pink

✓2689 Cuphea

Straw red 15 in

Cay o Cocos

✓2690

white 15 in

✓2691 5 bush, 3 ft x 5 ft
fls pink

✓2692 Passiflora, ribbed vine
fls big, red 1 ft in diam

- ✓ 2691 3' vine
 ✓ 8-10 ft. bl. pink
- ✓ 2692 Malpighia vine
 bl. yellow
- ✓ 2693 vine red & orange
 shrub 5 ft. fls white fine
- ✓ 2694 Sansevieria
 bl. bright yellow
- ✓ 2695 5 ft.
 bl. fls small greenish
- ✓ 2696 Plumeria red woodseem
 up to tree 15 ft. white
- ✓ 2697 Epidendrum
 flowers blue in bunch
- ✓ 2698 Ipomoea, w/ fls plummy
 vine many fls white fls
- Oct 24 Sansevieria
- ✓ 2699 Opercula speciosa
 5 ft. bellows
- ✓ 2700 Pedalanthus? bellows
 mult fls, green, black stripes, white
- ✓ 2701 Sargania
 vine 4 ft. fls white
- ✓ 2702 7 brth, Cephaelis?
 12 in. bluish
- ✓ 2703 Fibre
 11 in. pinkish
- ✓ 2704 Above vine
 6 ft. fl. pink & flowers
- ✓ 2705 Tacca?
 tree 15 ft.
- ✓ 2706 Cyperus.
 12 in.
- ✓ 2707 missed
- ✓ 2708 " " white
- ✓ 2709 " " fls white 15 ft.
 woodseem
- ✓ 2710 bl. white
 Cyperus
- ✓ 2711 Cotton 3 in. (londa)
 fls whitish
- ✓ 2712 Jacquinia
 woodseem
- ✓ 2713 Cyperus
 3-4 in.
- ✓ 2714 Passiflora
- ✓ 2715 fls bluish 14 in or more
 shiny 7 in
 20 ft!

- ✓ 2716 Vanilla Craftress
 our bushy, many fls.
 ✓ 2717 Strelitzia 5 ft.
 fls small greenish yellow,
 ✓ 2718 Verbena aromatic
 6 in - fl yellow
 ✓ 2719 St. John's wort
 8 ft. fl yellow & black axillary
 ✓ 2720 Grass
 woody climber
 6 ft.
 ✓ 2722 Buteida
 flattopped tree 10-20 ft
 ✓ 2721 Solanum
 2 ft. fl red
 ✓ 2723 Malvaviscus, trap w/ small
 12 ft. only 1 tree seen.
 ✓ 2724 Combretum
 bls white
 ✓ 2725 Cordia ?
 4 ft. fl orange
 ✓ 2726 Croton Cordia
 2 ft
 ✓ 2727 Cyperus
- ✓ 2728 St. John's wort, mostly
 5 ft.
 ✓ 2729 Scleria
- Cayo Palow
 solid rock 1000 ft long & 800
 X 50 ft wide 30 ft high, only 12
 species seen on island
- ✓ 2730 St. John's wort 3 ft
 bls white
 ✓ 2731 Cococarpia
 silky foliage, 3-4 ft
 ✓ 2732 Fls yellow
 ✓ 2733 Euphorbia 3-5 in.
 in tufts in corners of rock
- Oct 28
 Cayo Paredon Grande
 a three-sided frame of
 sand and rock enclosure
 a large lagoon, ~ N.E corner
 solid rock (Sedentary limestone)
 W.ward of which are a series
 of sand dunes. about 15 ft high

- the mesh is white sand, ex- ✓ 2745 Slender or tree
 Crpt s, side, mostly Rhizophorae ✓
 inside armd Eguine is flat 2746 Asclepiad.
 Lesser rock much weathered ✓ 7m 15 ft X 3 in bl white? purple
 on sandy parts ✓
 ✓ 2734 aromatic herb
 fl yellow
 ✓ 2735 Grass .
 3 ft
 ✓ 2736 Cyperus .
 ✓ 2737 Carex
 creeping & jointed 2-3 ft
 ✓ 2738 Creeping grass
 ✓ 2739 Grass
 ✓ 2740 Ascleps. Vicia multijuga
 2 ft, small cruf fls many yellow
 ✓ 2741 Chenopodiacean?
 12-18 in
 ✓ 2742 Comp. herb
 2 ft fl bracts white
 ✓ 2743 Cordia Sch, truly wild
 7m 15 ft X 4 in fl red
 ✓ 2744 Pterocobium 16 ft
 fl pink unopened Photo
- ✓ 2747 Sow Scale 2-3 ft
 fls in cruf yellow
 ✓ 2748 Apoc Vnum
 yellow
 ✓ 2749 Cyperus.
 ✓ 2750 Carex
 spreading 3-4 ft fl purple
 ✓ 2751 6 in thin grass
 ✓ 2752 Bush, 18 in
 long woolly tips
 ✓ 2753 Euphorbia
 small
 ✓ 2754 Slender 3 ft
 fl. ends red
 ✓ 2755 Slender, spreading round fls purple
 stems to 8 ft in diam, fls in ground
 ✓ 2756 Euphorbia
 larger
 ✓ 2757 strict shrub sand dunes
 fl yellow on hard rock above

Sian Rock

- ✓ 2758 *Opuntia* 2 ft,
 many spines cutting
 ✓ 2759 *Coupea*, white thick bray
 2-3 ft, fls yellow
 ✓ 2760 cushionous 3 to 12 in across
 yellowish sand & pebbles
 ✓ 2761 *Coupea* flat on ground
 fls yellow
 ✓ 2762 *Euphorbia*
 ✓ 2763 *Euphorbia* finely cushion
 like 2 ft.
 ✓ 2764 *Convolvulus?*
 usually creeping on sand
 but number missed
 2765 " number missed
 2766 " number missed
 ✓ 2767 *Cassia*
 2 ft
 ✓ 2768 *Passiflora*
 small yellow fls
 ✓ 2769 *Coupea* 3 ft.

- Oct 26 Cayo Romancor
 near Puerto Barrios
 flat limestone rock creek
 soil
 ✓ 2770 *Agave*, 15 ft, old plant
 lvs. light green no bloom.
 ✓ 2771 *Oxypodium*
 ✓ 2772 *Mimosa aculeata*
 4 ft unopened flower white
 ✓ 2770 *Selaginella* moss cutting
 on low bushes, 2 ft long
 ✓ 2771 do do
 not spike cutting
- Oct 27
 Cayo Cruz a very flat
 island, inner (S. side) much
 mangrove, & flat rock, outside
 (North) white sand on N & A, E,
 exposures, rocky on NW exposures
- ✓ 2773 Creeping herb, in sand
 by salinas, fine, large patches
 ✓ 2774 *Copernicia*, leaf blue-green
 10 ft. diam. 10-15 ft. old, coniferous

✓2775 Shrub

6 ft. flat winged green

✓2776 Cassia 3-5 ft.

spiny phyllous

✓2777 Bauhinia

18 in on rocks

✓2778 Cassia 3-4 ft

✓ Myrsinaceae several forms

✓2779 Enocarpus, erupting
cliffs rocky soil leaf small

✓2780 Tall grass

by stream

✓2781 Euphorbia

flat on sand

✓2782 Grayish herb

✓2783 white flats on sand

✓2783 Euphorbia

✓2784 Aromatic herb

✓2785 Myrsinaceae flat on sand

✓2785 Tall grass

flat fruit

✓2786 Gray 5 ft.

2 ft. fls yellow

Cayo Romano

Alto del Ají

✓2787 Tree 25 ft. x 4 in

rough bark of exostema

✓2788 Shrub 4 ft

Hippocratea black

✓2789 Z amica

✓2790 Pseudosassafras Phota 10-12 ft.

Sparingly scattered enough woods

✓2791 Stragling shrub over

leaves 5 ft

✓2792 Urakas shrub

5 ft. spiny

✓2793 Solanum 4 ft

fl blue fl red

✓2794 Pittosporum 6 ft

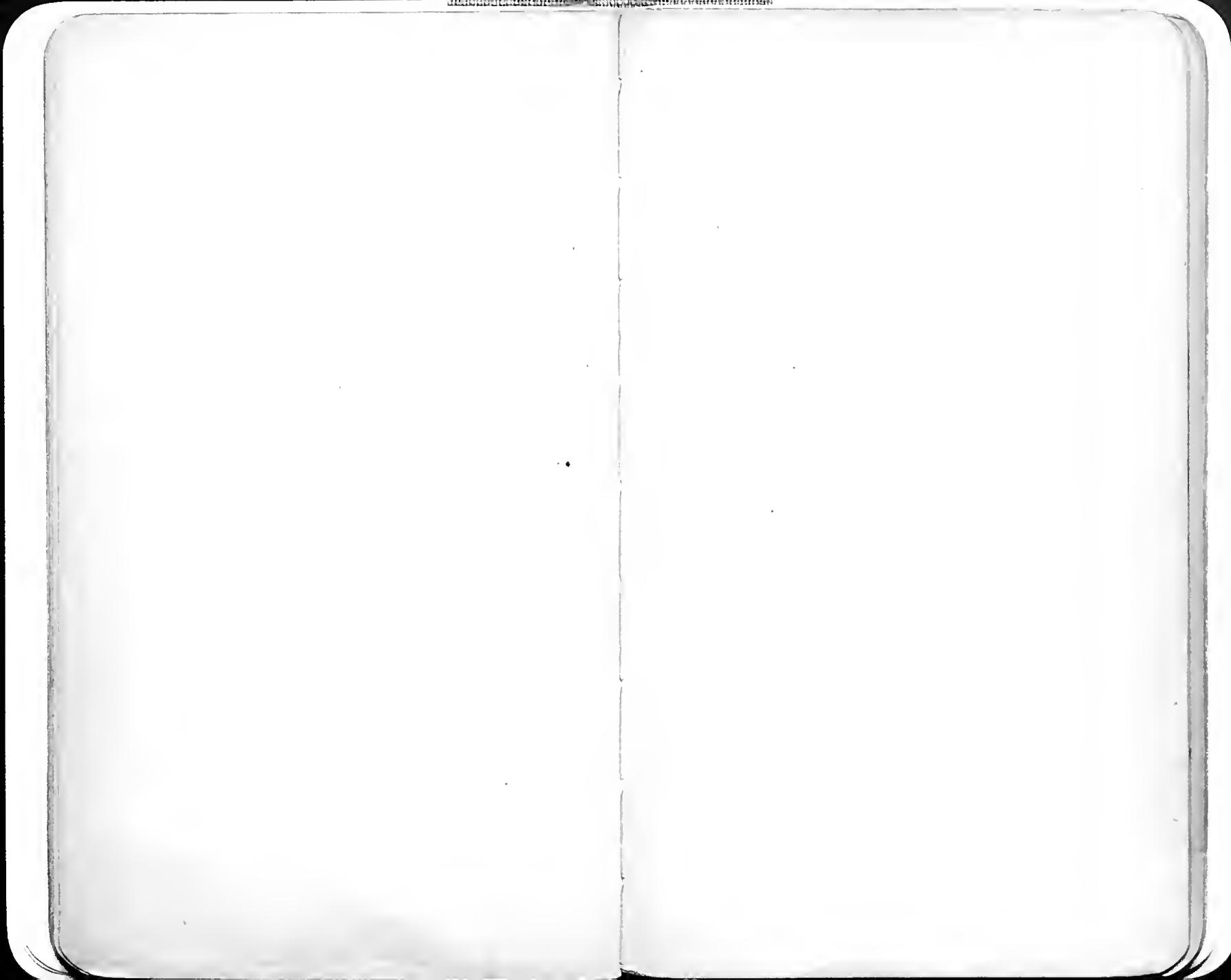
spiny fls blue

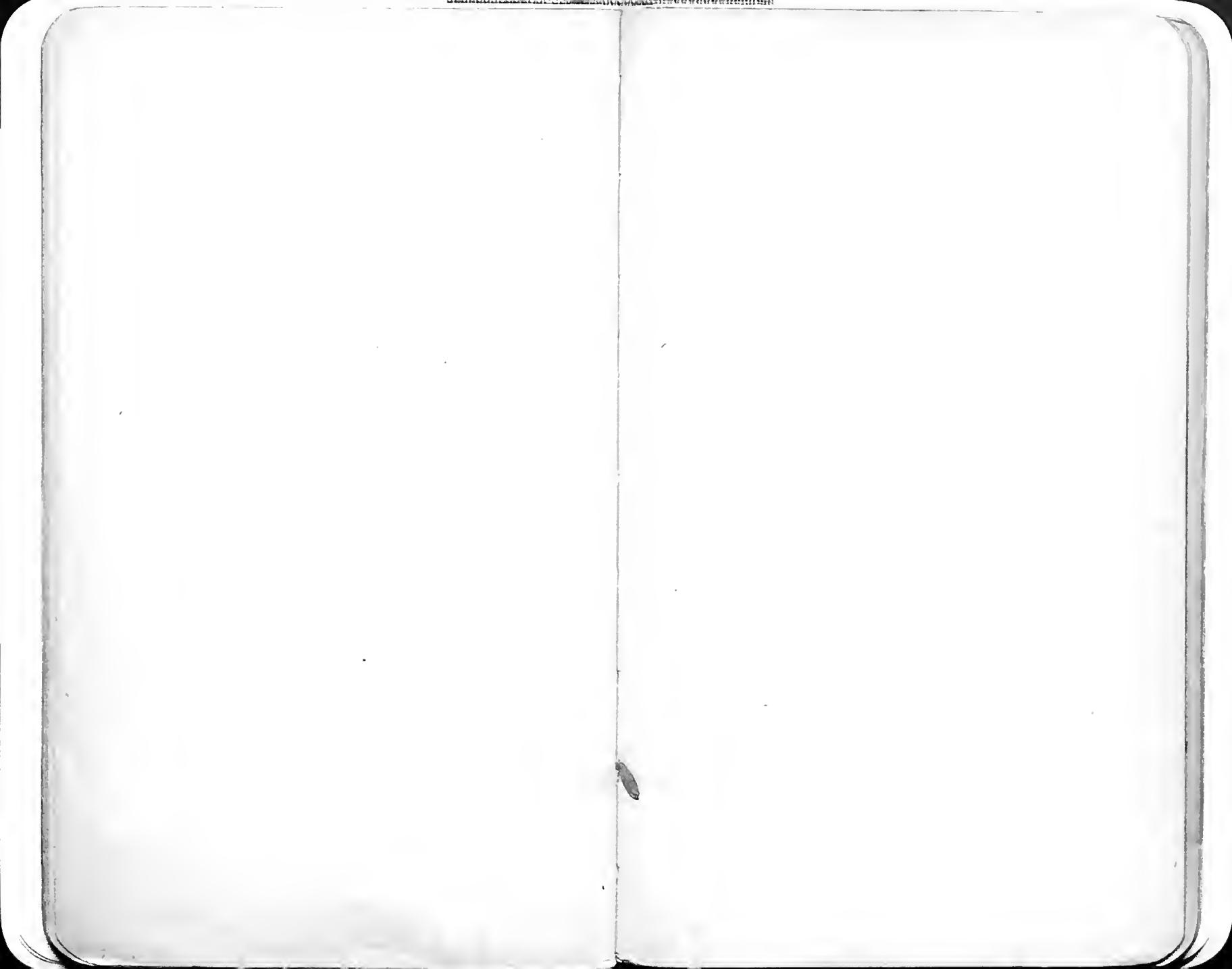
✓2809 Schinus m

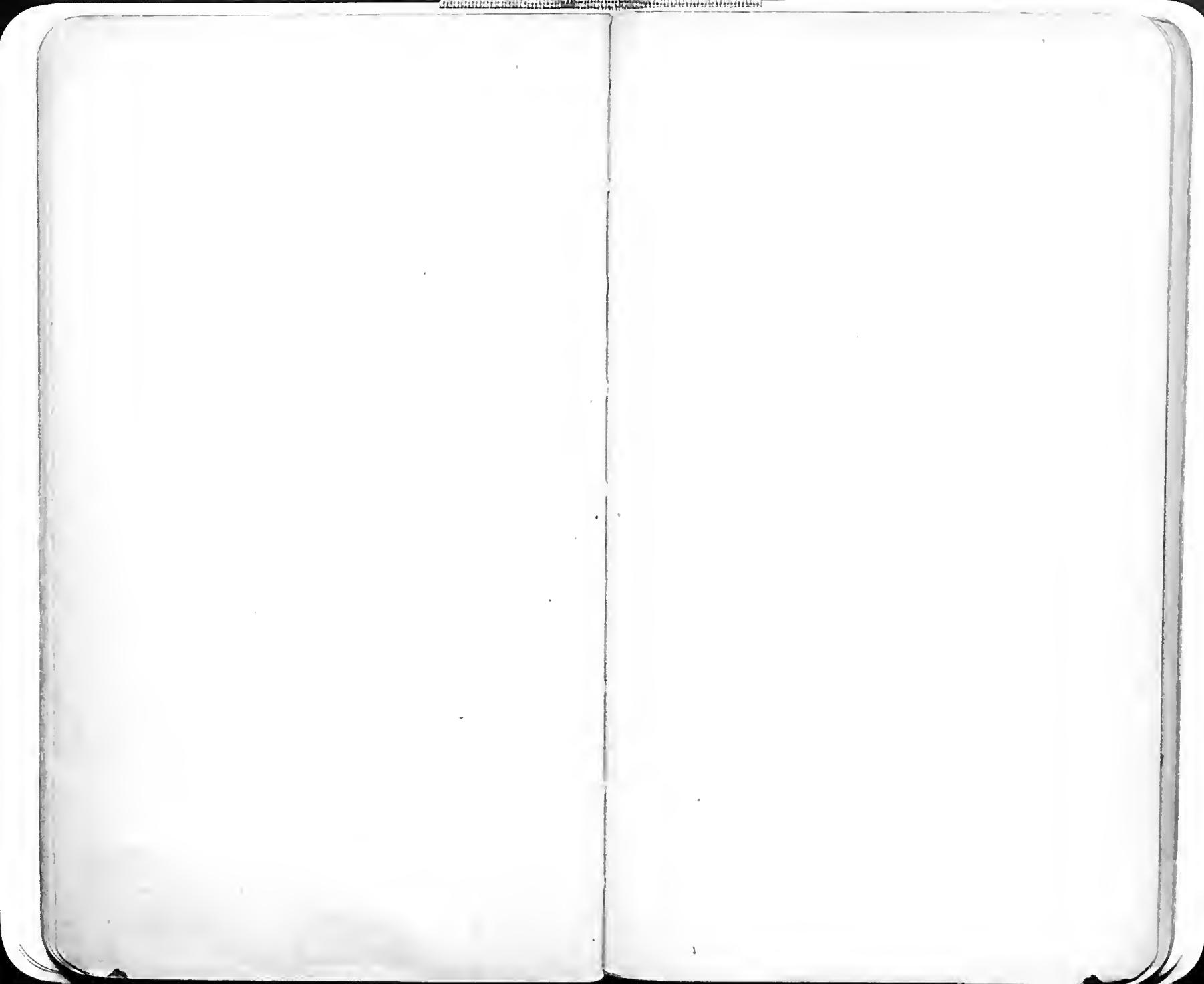
high on trees

- Cayo Cruz. 6' deep
channel. S side covered to
N side as soon as rise of
low 6-10 ft sand channel &
scrubby white rock (gray
& black when exposed) several
small fresh water lagunas
near the N. coast.
- ✓ 2795 Grass, fine thin fruf
in densest scrups. 18 in
inflo. pink
- ✓ 2796 Cyperacean
3-6 ft.
- ✓ 2797 Sagittularia ?
by water edge, 1m x 18 ft x 3 in
- ✓ 2798 Bushy shrub
1/2-2 ft. mottled fl. white ft. black
- ✓ 2799 Corp
2 ft. "air rocks"
- ✓ 2800 Palm "Sana Guana"
5 ft. photo scarce Photo
- ✓ 2801 Palm "Sana Guana"
very abundant scattered 6-15 ft
leaves glossy Mallorca
inflo. shorter than leaf

- ✓ 2802 Tree 10-15 ft
branchlets branchlets
- ✓ 2803 Shrub, fl. white
18 in "fls. white"
- ✓ 2804 Cyperacean
✓
- ✓ 2805 Shrub ?
12 in fls. white
- ✓ 2806 Shrub
3-4 ft. fls. yellow
- ✓ 2807 Maltopium
6-8 ft.
- OCT 29
Cayo Santo
- ✓ 2808 Shrub
5 ft fls scarce, greenish
- ✓ 2809 Elaeocarpus
spiny high on tree
Algodones cuttings
- ✓ 2810 Elaeocarpus
Cayo Romano - Port Bolívar.
spiny
- ✓ 2811 Aclero
root spiny







196.130 (+)

- Nov 7th Cayo Gusjala
Hills on S.E. end of main
cay.
- 12812 Shrub 10-12 in
flat white open place near bay
- 12813 Shrub 3-4 ft. upright
flat even near bay.
- 12814 Shrub like 2-3 ft
flag yellow fort off white like
- 12815 *Psuedophoenix nelsonii* in
shrub form to 20' ft., green,
fort & soft in the G all dried
150 ft., no division ..
- 12816, Parasitic 4 ft in yellow
dark wavy in trop mud
- 12817 *Vellaria*
- on *Pseudophoenix* ?
- 12818 *Serpax?*
- open place near bay
- 12819 *Capparis*. 2 m 15' ft
calcareous soil near bay
- 12820 Shrub 6-8 ft with bark
flag yellowish & yellow
- 12821 Shrub 4-5 ft rugosa?
prob small yellowish with bark

- ✓ 2822 Herb 3 ft. flowering?
 pinkish, fragrant near
 San Bay
- ✓ 2823 Shrub, whitish, small
 3-6 ft., it flowers
- ✓ 2824 Shrub, pinkish 3-5 ft.
 bl. whitish
- ✓ 2825 Malaceous slender stem
 6-10 ft. pinkish, sp.
 yellowish pink
- ✓ 2826 Small tree, orange bark
 red fruit like Bursera hillsides
- ✓ tree reddish, fruit redish
- ✓ 2827 Palm, long very thin, trunk
 pale, 30 ft high in silvery
 forest in woods overtopping
 all other trees
- ✓ 2828 Tree 30 ft spreading
 fruit pink
- ✓ 2829 Epidendrum? orchid
 in woods on trees & fallen to
 the ground, fls with circles
 brownish & green Ep. which are
 filled with purple
- ✓ 2829a 30 ft. plane yellowish
 "bulb" Canna, in
- Sargent
- ✓ 2830 Strelitzia race, orange
 flower cactus
- ✓ 2831 Dillid, small tree
 plants in dense thickets or
 woods near bush
- ✓ 2832 Corpse vine culture
 flowers white
- 2833 Shrub 6-8 ft.
- ✓ coralline slender fl. yellow
- ✓ 2834 Melastomaceae
- ✓ 2835 Shrub branched?
 6 ft. fruit dark red
- ✓ 2836 Shrub 10 ft
 fruit glossy black
- ✓ 2837 Spiny slender marsh plant
 6 ft. fls white 8 cm
- ✓ 2838 Cypress
 near salt bayou
- ✓ 2839 Acrostichum 4-5 m
 near bush
- ✓ 2840 Peltiphyllum spiny
 8-10 ft. by 6 ft
- ✓ 2841 Ochnia transvaalica
 by the road

- ✓ 2842 Corping cissoid
 2-4 m fls yellow
 ✓ 2843 Cyprine small
 buds brown in sand
 ✓ 2844 Orelia fls pink
 "Bell's" etc.
 ✓ 2845 " " " 3 ft
 fls white
 ✓ 2846 Palm in dense thickets
 of limestone 10-15 ft. Gray
 limestone beneath, black
 with lichen. Scrolling very
 abundant and tangled.
 ✓ 2847 Stem 17-3-5 fm
 slightly milky fl red

Cayo Guajala
 "Soma Clarke"
 Hill about 100 ft in NW end
 of Cay marshy soil has been
 cleared over and some grass
 is abundant. Lava limestone
 in soil, specimens mostly
 from low land at base of
 hill

- ✓ 2848 Palm, on strip of sandy
 land in the rocky hills,
 15-20 ft. fruit all off purple.
 ✓ 2849 Floating in salt water
 ✓ 2850 Cyprine ~ 3 fm
 green plants
 ✓ 2851 Ptilocnemus spring
 ✓ 4-6 fm
 ✓ 2852 Cyrtellaria 4-6 fm
 fl yellow
 ✓ 2853 Scimie "
 4 fm. fl red
 ✓ 2854 Grevillea, infl red
 fl white
 ✓ 2855 Schizandra 5 fm. b.
 6 fm. fl white white
 ✓ 2856 Schizandra "
 outer portion of fl red "
 ✓ 2856a Do
 outer part of fl greenish
 ✓ 2857 Schizandra
 long rope like, in dense
 woods

Vicinity of Tiffen,
~~near Tiffen~~ Oct-Nov

- 2858 Shrub up to 10 ft
 fls purple 1 in., bark gray
- 2859 Palm 10-20 ft crown
 in low woods. Plots, savannas
- 2860 *Vittaria*, fern
 on "Cyperacea hospita"
- 2861 Variegated branching
 fls light blue
- 2862 Tree 12-15 ft Savanna
- 2863 fl black, cup, light red
Xanthoxylum tree spiny
 tree up to 50 ft
- 2864 Tree - 25 ft
 fls yellowish
- 2865 Comp. herb
 spatters white in savanna
- 2866 Convolv. vine
- 2867 6-8 ft, fls purple by R.R.
 undergrowth 2 ft
- 2868 fls greenish, rich woods
Cyperacea, in flat
 patches, opening in woods

- 2869 *Solanum*, vine, over bushes in
 thickets, fls red, fls blue
- 2870 *Polythaea*, stem gray,
 fls white, in clearings after fire
- 2871 Tree 25 ft, spreading branches
 bark, light, smooth, old plantation
- 2872 Vine, aseidripid, 10-15 ft,
 over bushes in thickets fls red
- 2873 Tree 10-15 ft.
 in woods
- 2874 Grass 1 ft,
 in wet open places
- 2875 *Gutierrezia*? 7 m 15 ft
 fls velvety, red in dry woods
- 2876 *Eupatorium*. 6 ft.
 fls whitish, 9 ft. of woods
- 2877 Tree 12-18 ft., fls white
 sap milky, in wet "Jacaranda"
- 2878 Straggling shrub, with
 lvs. 8-8 ft
- 2879 Vine-like shrub, 4-6 ft
 fragrant, fls green with lvs
- 2880 Herb. fls bluish
 in very wet open places
- 2881 "Paranae" grass 4-5 ft
 wet fields etc
- 2882 *Psychotria*, undershrub
 4-5 ft. fls light red, in woods
- 2883 Tree 10-12 in
 in clearings
- 2884 Apos. Vine 6 ft
 fls small yellow
- 2885, *Eugenia*? undershrub
 " 4-5 ft. fls flesh red, dry woods
- 2886 *Stimulea* 4-6 ft. in thickets,
 slightly milky, fls dark red
- 2887 "Rosewood" 7 m up to 41 ft
 fls flesh red woods
- 2888 *Wrase* shrub 6 ft. woods
 pink fleshly white & bluish
- 2889 *Eugenia*? purple tree
 20 ft. fleshly fls red woods
- 2890 *Santana*? 4-5 ft. thickets
 fls white
- 2891 *Crotalaria* 4-5 ft. thickets
 yellow fragrant
- 2892 woody vine, many fls
 fls pink white
- 2893 *Epidendrum*?
 sepal & brown, yellow lip? white
 powdered with purple like plant
 others in woods

- 2894 Palm, to 15 ft. leafy, sp. E
 brittle, black, petioles hairy
 short, palm. 3-4 in. Thru
 2895 Palms up to 20 ft. leafy
 ground sessile, palm 10 in.
 E.g. Platys
- 2896 Orchid in fruit
 in woods "
- 2897 Cyperus with open flowers
- 2898 Cyperus on all brush
 tracks with openings
- 2899 Cassia 18 in 2 ft
 fls yellow clearings
- 2900 Cyperus, on ground in brush
 patches fls bluish
- 2901 Muños, 7 m up to 50 ft
 trunk cylindric fls white
- 2902 Tillandsia
 cult-like
- 2903 "Cinerto" ? in woods
 tree up to 30 ft, purple
- 2904 Grass 1 ft
 tufts in water in wet woods
- 2905 Grass 1 ft
 in tufts in wet woods
- 2906 Juncus? in shade
 near east
- 2907 Cyperus coarse
- 2908 Cyperus thin open infl.
- 2909 Cassia ? 7 m 20 ft, fls,
 large yellow, in waste places at
- 2910 Mimosa tree Muritas
 whitish, in spikes, 20 ft x 4 in in woods
- 2911 Sapotaceae, tree 40 ft x 6 in
 pink rusty, from subglobous in clear
- 2912 Shrub, "Rundillaria" in woods
 thick 6 ft, fls red-black
- Nov. 21, Duran City, south int
 savanna then transitionally
 to Sas Minas, mostly poor
 serpentinite rock formation
- 2913 Grass in clumps 4 ft tall
 dampish spot.
- 2914 Tacoma 2-4 ft. leafy, linear
 in wood, white lips small & narrow
- 2915 Tacoma 4-5 ft. leafy, linear
 corolla dark pink 1 in across

- 2916 Orchid, terrestrial in damp
 grassy place, fls yellowish green
 2917 Palm, leaf waxy 3-6 ft
 rarely 10 ft, fls fragrant, leaf?
 light green, 5-6 ft, waxy, smooth, petiole
 stalk, spine, toothed, young palm, mottled
 Photo
- 2918 Juncus? 4 in.
 mossy soil
- 2919 Grass
- 2920 Polygala
- 2921 Polypodium, on base of
 Cephaelis herpida
- 2922 Cecropia max? 6-20 ft
 infl. pendulous, fol silvery beneath
- 2923 Copper, in grass 6 in
 fls small white
- 2924 Thrinax 3-4 ft, rarely
 6 ft in clumps often forming
 thickets infl. erect fol light
 green.
- 2925 Anthonomus, shrub
 6 ft
- 2926 Small, & 6 in fls white
 somewhat crenate, wet places
- 2927 Stragling slender shrub, Crag?
 orange colored, wetty places
- 2928 Ape, Vine 1-1½ ft
- 2929 Cyperaceae, wet areas
 1 ft or over
- 2930 Sabicea? 1-2 ft
 in wet grassy places
- Holguin Cuba Aug
 Dry savanna, S.E. of town.
 Nov 25-29
- 2931 Convolv, vine on bushes
 in orange Grove fl yellow
- 2932 Shrub 6 in spreading
 fls. yellow, red oil in Savana
- 2933 Shrub. 6 ft,
 thickets in Savana
- 2934 Vine on Cephaelis
- 2935 Orchid, flat bulb. on Cephaelis
 fruit
- 2936 Tall grass
 4 ft.
- 2937 Mountain Palm 5-12 ft
 Thrinax, infl erect' fol green
 Photo

- 2938 small branched shrub 6 ft
 Comp?, fls. narrow orange
- 2939 creeping on ground 3-4 in
 fls. white $\frac{1}{4}$ in
- 2940 Shrub 5-6 ft
 pink begonia-like
- 2941 milky vine, Apos?
 6-8 ft., fls. narrow fl.
- 2942 Portulaceas
 2-3 inches
- 2943 Stricklysh. 3-5 in
 fruit heads white
- 2944 Vanilla, on Copernicia
 fruit mostly terminal
- 2945 Shrub 6-8 ft fls. yellow
 fruit scarlet, seeds very black and yellow
- 2946 Cactus, Mammillaria?
 in pockets of rock among small stones
 top level with, or covered by small stones
- 2947 Orchid ^{triangular} fls. yellow
 infls over & through bushes
- 2948 Gesneria? small fls. flat
 on ground, among stones. fls. white
- 2949 Teoma
 tree 25 ft near
 stream
- 2950 Tree to 25 ft. (Spreading)
 very light red
- 2951 Above river, corolla cream
 colored, 3-4 ft corolla 1 in.
- 2952 Vine 3-6 ft
 fls. winged, white
- 2953 Herb 1-2 ft emerald
 Acanthaceas
- 2954 Scutellaria? 2-6 in, corolla
 purple ^{small} among stones
- 2955 Vine Apos? 1-2 ft
 corolla $\frac{1}{4}$ in bl. yellow
- 2956 Herb in ^{wt} grass 4 in, fl. bracts
 $\frac{1}{4}$ in: scarce
- 2957 Orchid in wild grass (Hamelia)
 corolla purple, plant up to 2 ft.
- 2958 Comp. herb 1-2 ft bracts
 pinkish white, among rocks
- 2959 Vine fls $\frac{1}{4}$ in yellowish white
- 2960 Bradburya, narrow leaf
 1-3 ft fls. blue
- 2961 Sag. vine, in dry grass
 fls red
- 2962 Tree, Begonia, 25 ft
 near spring

- 2963 Shrub 4-6 ft., corolla tubes
3-4 in., white
- 2964 Aromatic herb, 6-12 in
phyllous
- 2965 Selaginaceae, on Cupressus
pink
- Serna Mine,
vicinity of "Woodford" all about
1700 ft., *Empetrum* (scattered rock,
bam on ridge, sand covered with scrub),
or overland with granular iron ore
& cover of Pennsylvania, or deciduous
woods & thickets about streambeds
but mostly pinewoods
- 2966 *Panicum*, 9 in
narrow leaf
- 2967 *Melastomaceae*, 8 in. 4 ft.
fl dry, br whitish brownish
- 2968 *Panicum*, s herb bushy
4-6 in, partly prostrate
- 2969 Shrub, ^{27 40%} common, woolly,
Bursera? fl white fragrant
- 2970 Sing. vine about 3 ft
fl purple red
- 2971 Shrub 1-2 ft., fl. pink red
fragrant like
- 2972 Shrub like - comp
1-2 ft., fl. white
- 2973 *Vaccinium* 1-3 ft,
fl bright dark red
- 2974 Shrub 2-3 ft.
fl bright red fleshy
- 2975 *Melastomaceae*, Shrub
3 ft.
- 2976 Semiprstrate 8 in.
1-2 ft. fl. fleshy bright red
- 2977 Comp., 4-6 ft,
br acuminata
- 2978 *Melastomaceae*, br small
Shrubby 2-6 ft, fl blue black
- 2979 Comp., 2-4 ft, br blue
Campionaceous odor, fl white
- 2980 *Passiflora*, woolly leaf
fl clusters blue 1/3 in, fls white & blue
- 2981 Slender 8 in. 3-6 ft,
fl yellowish fl. winged
- 2982 *Melastomaceae* 2 ft
hairy scarcely shrubby fl dark blue
- 2983 Creeper flat on ground
1 ft,

- 2984 Shrub 2 ft.
 fruit green
- 2985 Vine 5-10 ft, bran glossy
 Leioranea? fl. winged
- 2986 Shrub 1-2 ft.
 fruit dark red $\frac{1}{4}$ in,
- 2987 Vine 3-4 ft
 fls red? in fruit
- 2988 Grass Agropyrum
 12-15 in
- 2989 Shrub, hairy bran bran
 fruit hard $\frac{1}{2}$ in = 2969
- 2990 Grass 1 ft,
- 2991 Vaccinium 1-3 ft.
 fruit black or dark red gloos
- 2992 Shrub 2 ft to small tree 10 ft
 fruit brown capsule
- 2993 Tall Panicum 2 ft
 smooth
- 2994 Vine, apoc. 6 ft
 not milky pub
- 2995 Cyperaceae
 3-6 in
- 2996 Aechmourea? 3 ft
 fls white

- 2997 Panicum 1 ft
 radical bran upright
- 2998 Grass
- 2999 Panicum, creeping
 or prostrate
- 3000 Orchid. on Pines &
 other trees pub
- Dec. 5th Prim novels
- 3002 Verlastomae. an 12-18 in
 fls whitish pink finely bln black
- 3001 Panicum 1 ft or less
 if = 2999
- 3003 Rubiacet? herb, 1 ft,
 fls white
- 3004 Herb creeping rootling
 1 ft, fls bl. bln, fruit azum blue
- 3005 Trillium (Cmp) vine
 3-5 ft. fls yellowish white
- 3006 Fern, delicate, "spiny"
- 3007 Grass, 2 ft

- 3008 Herb like, 2 ft. fls yellow
 of Piperacean?
- 3009 *Spartina*? grass,
 8-10 in inf. spike-like
- 3010 Shrub, very erect
 2 ft
- 3011 Opimemous grass
- 3012 Comp 6 in
 fls white or bluish
- 3013 Grass, long slender
 twigs braff small
- 3014 Ericaceous, shrub
 6-8 ft.
- 3015 Shrub 8 ft.
 fls yellowish-white, bell-shaped
- 3016 *Dioscorea*? vine
 many frt & fls yellowish
- X 3018 *Panicum* 12-18 in
 hairy
- 3017 woody "climbing" grass
 3-5 ft. +
- 3019 Creeper 1 ft
 in grass & old pine trees
- 3020 Grass 1 ft.
- 3021 *Polygonia*? 2 ft
 fls yellowish, fr black
- 3022 Creeping *Panicum*
 → ~~indistinctly much branched~~
 ~~Scandent over rocks & boulders~~
- 3023 Tree to 15 ft
 fl. leaves $\frac{1}{4}$ in.
- 3024 Fleshy vine Vitacean
 frt black, frlts $\frac{1}{4}$ in
- 3025 Shrub to 8 ft. milky
 Euphorbiac, fls white
- 3026 Shrub 2 ft. Calocarpum?
 fls bluish!
- 3027 *Syngonium*, climbing fern
 8-10 ft
- 3028 Shrub 3 ft
 fls pink, light red.
- 3029 Mistletoe
 leafless,
- 3030 Shrub 1-1/2 ft.
 brs. small thick fl. red
- 3031 *Cestrum*: shrub-like
 3 ft. fls purple, fls white
- 3032 Creeping, fl. heads white
 shrub 1 m tall, side of trail
- 3033 Tree 30 ft x 8 in diameter
 base milky

- 3034 Tree 20 ft. *Dianthus*
fls. lt. yellow
- 3035 *Hypsernum* 6 in to 1 ft
fls. yellow
- 3036 Orchid epiphyt. on tree
trunk 7 ft.
- 3037 Orchid, erect 2 in.
inflo. on tree trunks
- 3038 *Aerostichium*, fern
6 in on tree trunks, hairy
- 3039 Orchid granular on marshy
tree trunks
- 3040 Orchid, long slender
stems small yellow flowers.
- 3041 Orchid small epiphyt.
bulbs, stem at base of Co2,
- 3042 Orchid, like last, very
much larger, white
- 3043 *Papaverina magnolioides*
on trees
- 3044 Orchid, longish bulb on
curving stem fls. yellow whitish
- Dre 7 along stream east of
"Woodford Inn"
- 3045 Smilax woody climber.
10 cm. fls. yellow, black
- 3046 *Dioscorea*, bush, vine
5-6 ft. fls. 3 winged
- 3047 Ericaceae, shrub branches
pendant, flat edge of pure
- 3048 Cyperaceae slender stems
3-5 in
- 3049 Malvaceae 12-18 in
yellow, by track edge of pure
- 3050 Andromeda? pointed top
3-5 ft.
- 3051 Chaptalia comp. bush,
white fls.
- 3052 Forked fern 2-6 ft.,
forming small thickets edge of pure
- 3053 Aristolochia, vine
2 ft. fl scarce, brownish red
- 3054 Passiflora 10 or more ft.
fl. dark red 1 in, fls. blue & white
- 3055 Cyperaceae
12 in. leaf-blade
- 3056 Adiantum
hard elongated pinnule
- 3057 Cyperaceae
worts of broad-leaved seaford

- 3058 *Panicum* grass 1 ft.
 branched
- 3059 Fern fru. 4-12 ft vegetum
- 3060 Fern 30 ft, 25 in.
- 3061 Aristotelia on (3060)
 fl bright red with a black base
- 3062 Fern, small tree
 tip trail
- 3063 Fern 20 ft,
 fls small whitish fl, white
- 3064 Shrub 3 ft fls bluish
- 3065 Orchid in leaf mulch in
 drier shade fls small whitish
- 3066 Fern on tree, Ceratodon
 flowers thick, very long, yellowish downy
- 3067 Fern 3 in, broad lvs.
 blunt, thick & shiny fl. pink thin
- 3068 Fern, thick & shiny
 acanth fls pink broad
- 3069 Orchid, on tree fls small
 yellow
- 3070 Strict Shrub 2 ft
 fls winged fls small yellow
- 3071 *Passiflora* pl. yellow
 fl. 1½ in. Clean lvs. leaves dark
- 3072 Comp. shrublet
 1-4 ft fls white no common
- 3073 *Passiflora* lvs 3 lobed
 cf = 3071
- 3074 Fleischy vine 5 ft high
 hairy, oppono
- 3075 Shrub 3 ft
- 3076 Vine fls odd small 1½-3 ft
 lvs. small or none
- 3077 Cypracacean
 lvs narrow
- 3078 Smelax, vine 1½ in thick
 & 20 ft, long, lvs reticulate acuminate
- 3079 Shrub 5 ft, fls yellow, fl. ovoid
- 3080 8 Upper end of Pardia Gorda
 trail, mostly Bambooputum rock,
 thickets, below old Camps.
- 3081 Grass 1 ft "Aristida"?
 sunland
- 3081 *Passiflora*, lvs 3 lobed
 fls shiny red 1 in or more in diam

- 3082 Creeping, on ground
 hairy, near road, prairie land
 3083 Grass flat on ground
 prairie land
 3084 Coccobulus? branched 25 ft ^{high}
 fls whitish, fr red-black
 3085 Straggling tree 15 ft
 fls small, green, smilag.
 3086 Slender
 8 ft
 3087 Erect tree 10 ft
 nimocerae, fls in spikes yellowish
 3088 Rundulifolia? slender tree
 to 15 ft branches slender, fls red-black
 3089 Plumbaria slender tree
 10-20 ft, broad
 3090 Slender 5 ft.
 .
 3091 slender unbranched tree?
 3-10 ft, fol pinnae
 3092 Euphorbiacean tree to 15
 ft, very milky fls, yellow bracts scarlet
 3093 Asclepias, linear leaf,
 fruit large
 3094 Slender cordata?
 3-5 ft, fls white, prairie ground
- 3095 Clusia, tree 20 ft x 4 in
 fruit red, small, thin skin
 3096 Pithecellobium, spreading tree
 30 ft x 9 in seed blue
 3097 Cyprinus
 6 in
 3098 Cyprinus Long slender
 leaves
 3099 Cyprinus
 slender rough leaf 8 in
 3100 Passiflora? fls white, skin
 green, fruit ovoid
 3101 Cyprinus
 18 in slender sp = 3099
 3102 Orchid, creeping on ground
 or at base of bushes
 3103 Carex?, leaf in bracts
 .
 3104 Slender 10 ft, holly-like leaf
 infl, dry ground
 3105 Tree 12 ft
 3106 Slender 4-8 ft
 fls white, outer side purplish
 3107 Creeps slender like fls white
 in yellow woolly tufts

3108 Shrub-like - Corolla?
fls. in racemes - corolla white

3119 Polypodium falcatum
on tree trunk.

3110 Tree shrub 20 ft
ft. s. only like terminal

3120 Polypodium, croader,
pendant fronds cutous

3109 Shrub tree 10 ft
without bran. wavy leaf

3121 Melastomaceae, Shrub
tree 30 ft. & 3 in. big yellow red

3111 Fern, manyish rocks
3 in.

3122 Orchid, cylindrical grass
on stem pods small

3112 Shrub, 1-2 ft., Box-like
fls. fleshly red

3123 Epidirium
petals? brown-green. lip. purple, white
preceded by purple hairs

3113 Shrub, comp-like 6-8 ft.
extreme wooly below

3124 Vittaria-like fern

3114 Mustlike, yellowish
green

3125 Fern, creeping rhizome 5 ft.
orange long rachis

3115 Comp. Shrub-like fls. white
lvs. silvery white. crevices

3126 Small, autumn, leafy fern
Fern

3116 Orchid, shrubby grass-
like on log

3127 Acrostichum mannae fern
fertile sterile broad

3117 Shrub-like 5 ft.
heads basal fls. fleshly red = 3108

See 10 Head of stem, dried
woods, mostly cut, orchids etc collected
in fall on top.

3118 Vine - many fls.
4 ft - Dicentra

3128 Fan-shaped fern from
base of tree

Gre

3129, Orchid creeping
fls. yellow in bracts spike

- 3130 Thymnophyllum? on base of tree pinnate
- 3131 Fern - Camptosorus-like base of tree trunk
- 3132 Polypodium, crepey ribbon like rhizome found on
- 3133 Smaller tree 15 ft. 2 1/2"
- 3134 Orchid; grass-like 12-15 in. yellowish green
- 3135 Orchid; large lily-like yellowish green fls yellow on
- 3136 Orchid smace round top scarcely no
- 3137 Epiphytic shrub 2-3 ft. among high tree trunks
- 3138 Sycopodium - or two long snake-like
- 3139 Psilotum? on trees
- 3140 Sycopodium, branching loose on trees
- 3141 Polypodium large pinnate - tree tops
- 3142 Orchid brown lip, pinnate yellow; leaf widely
- 3143 Orchid pub cylindric
- 3144 Orchid ble fragrant fls white lip streaked with purple
- 3145 Orchid greenish yellow fls "white"
- 3146 Fern, on tree trunk found
- Dec 11 Same place
- 3147 Melastomaceae 1 ft. pub black
- 3148 Andromeda tree 15 ft. fls creamy white edge of pine
- 3149 Diocoreia? 2 m. 6 ft. broad ♂? edge of pine
- 3150 Orchid, in Craig wood forest white striped
- 3151 Orchid, leaf thin broad gray ribbed, fls whitish
- Dec 12 same place
- 3152 Tillandsia fileform leaves

- 3153 Fern, Polypodiaceae
 further probably a frond ①
- 3154 Orchid small 3 in
- 3155 " " fern
 moist like
- 3156 Pinus, tree 60 ft x 12 in
 long, cones small
- Date 13
- Dens green forest 1800 ft.
 among moist serpentine rocks
- 3157 Slender hard leaf
 4 ft. bl. light red when ripe
- 3158 Tree 20 ft. trifoliate leaf
 bl. reddish brown
- 3159 Hukeria 10 in
 fls white
- 3160 Tree 15 ft
 fl. black
- 3161 Tree 18 ft
 bl. old capsules
- 3162 Peperomia
 on rock by stream
- 3163 Sedge, broad Iris-like lvs.
 by water
- 3164 Shrub 3-6 ft
 on rock & stream
- 3165 Melastomaceous, shrub
 by water, 3-4 ft. fruit scented
- 3166 Sympodium
 3-6 in. bluish green, on rocks
- 3167 Orchid 1½ in on ^{rock}
 rocks
- 3168 Shrub 2 ft
 fl. red, lvs. silvery
- 3169 Fern, Adiantum
 segments rounded
- 3170 Adiantum
- 3171 Orchid small 3 in
 on rocks
- 3172 Grass
- 3173 Small herb, lvs. radical
 scape 3 in
- 3174 Fern soft, 3 ft.
- 3175 Silver fern
- to over Pindra Gurd a trail to village
- 3176 Tree 15 ft.

3177 Tree ¹¹" *Aechmea* thick brdg

3178 Impatiens shrub 6 ft
fls white

3179 Slender tree 15 ft, or less
fls purple fls flat, 2 valved

3180 Shrub 2 ft
fls black

3181 Small tree 10 ft

3182 Shrub 3 ft. Malpigh.
fl. fleshy red. fls pink

3183 Woody vine
^{1/2} tenacitta colored

3184 Asclepi. vine
fls. small white

3185 Shrub 4-5 ft, Comp?
Holly-like fol, fls, orange

3186 Vine, 3-5 ft, fol
grayish fls white

3187 Shrub 12-14 in *Croton*
also treeing 6-8 ft

3188 Small tree 7-10 ft
Jacquinia-like.

Loc 16 Pimbande & Macumbada

3189 Shrub 2-3 ft

3190 Camper. Rubiaceae?
fls white along R.R. bank

3192 Arvid camper many pink
fol, fuzzy toothed

3191 Mistletree
small broad leaf

3193 Bromeliad

3194 Vine 3-4 ft
fls white convolvulacean

3195 Shrub 5 ft
stem green

3196 Aerostichum, Eng
dark green fronds

3197 Shrub like Epiphyte 3 ft
fls white

3198 "Cintopodium", orchid
young plant alt. 1300 ft

Dre 17, Deciduous woods below
hospital

3199 *Melastomaceae*, 5 ft
Pitcairnia

3200 Tree 40 ft x 12 in

3201 Shrub 1-4 ft
fls tubular, 1 in yellow

3202 upright Shrub, 18 in
fls bluish *Crotonum?*

3203 Comp., fls white
Eupatorium 2-3 ft.

3204 *Piper* Shrub 3-6 ft

3205 Slender Shrub 6 ft
fls axillary greenish yellow

3206 *Pinus*
75 ft bark brownish

3207 Tree 25 ft
junk red to black

3208 *Passiflora*, numm leaf
fls white greenish

3209 Tree
small *Polybotrya?*

Dre 18 Polybotrya jasminoides

Dre 18, Deciduous woods, among
fallen timber & thickets area

3211 *Vanilla*, oblong fol.
with many brts

3212 Grass like leaf
in dense shade

3213 Tree long creeping
without lvs by streams

3214 Orchid yellow spikes

3215 Adiantum
common leaf

3216 *Pinus* 80 ft
rough bark bark large, leaf long

3217 *Coccoloba* max
8-25 ft. pub purple

Dre 18 Head of San Mill
Anaya P.M.

3218 *Vanilla* small leaf
may feel, pink flowers

- 3219 Slender 3-4 ft.
 sm. in t. yellow-green
 by water
- 3220 Pteridolobium smallish
 10 ft or taller seed blue
- 3221 Tree 18 ft. Clusia,
 fl errant white
- 3222 Orchid on rocks
- 3223 Margararia?
 wavy vine may fish
- 3224 Orchid white, no leaf
 floral, rotting ground
Pine - (Sunday)
 by falls of Amaga del
 Mardia
- 3225 Slender Slender
- 3226 wedge shaped tree
 ornate by spray of water
- 3227 Comp. bush 1 ft
 x $\frac{1}{4} \times 20$
- 3228 Orchid in pockets of
 soil, on rocks by falls
- 3229 Sedge; long stiff flat
 leaves, inf. short
- 3230 Slender 1-2 ft.
 x 1 ft
- 3231 Sedge trap V shape
 inf. longer than leaves
- 3232 Comp. 12-18 in
 fls purplish
- 3233 Slender 3 ft,
 fls bright red, among rocks
- 3234 Pilra on wet damp rocks
- 3235 Orchid on trap world
 6 in, fls whiteish
- 3236 Comp. leaf radical
 sepa 4-6 in fls white
- 3237 Orchid on rocks,
 small
- 3238 Orchid on rocks, fls
 reddish in a pile of trap case
- 3239 Filmy fern on tree
 rock for storage
- Loc 21 Toward Bandera
 trail
- 3240 Pteris Lunifolia?
 moist open place

- 3241 *Paris*, broader seg-
ments 3253 Shrub 2 ft.
fls. white
- 3242 *Solanum* spiny 3-5 ft.
frt, fls. bluish fl, red & blue
- 3243 *Polygonia* erect bush
2-6 in fls. white in pine wood
- X 3245 *Padalanthus* 2-6 in
white fls.
- 3246 *Elephantopsis*? 18 in
fls. white, narrow
- 3247 *Sagittaria* 2-4 in
fls. bl. blue
- 3247 *Cyperus* ? fm
- 3248 *Morpholepis*
fm
- 3249 fm *Cyperus*
Poly, podicum-like or ribbon like
- 3250 Shrub 18 in
i. fls. greenish
- 3251 Orchid, on ground in
Pin woods, fls. purplish
pink 1-2 ft. high
- 3252 Shrub 3 ft
fls. greenish
- Loc. 22
- To Arroyo del Burdín
from big falls up to "Cuchifer"
- 3254 Tree 30 ft
fl. light red
- 3255 Tree 15 ft
- 3256 Orchid, pleiopeltoid
- 3257 Shrub-like 2 ft.
green stem, Comp?
- 3258 Tree, 2 ft
tubular fls. yellow ^{at top} ~~in base~~
- 3259 Small tree 15 ft
overhanging water
- 3260 Grass in sphagnum
moss in brush shade
- 3261 Piper 4-6 ft
x 1-2 d
- 3262 Asplenium
on rocks
- 3263 Shrub 3-5 ft
fls. greenish

- 3264 *Pitcairnia*? fol.
 grass-like spiny
- 3265 *Pedalanthus*? shrub
 1-3 ft.
- 3266 *Cyperus* 1-2 m
 in dense groves subtropical
 to cuspiferous
- 3267 Small fern in tuft
 of tree fern
- 3268 Moss-like fern
- 3269 Tree 40-60 ft.
- 3270 *Mesembryanthemum*
 fls in yellowish spikes
- Line 23
 Same stem hill-top
 of forest inclines all,
 about 1500 ft.
- 3271 *Sagum*, tree
 40 x 50 ft x 8 in
- 3272 Small tree 20 ft
 multi-junc inf. axillary
- 3273 *Psychotria*? 5-8 ft
 fls yellow
- 3274 Tree 20 ft
 fl. axillary fls. white
- 3275 woody vine 10 ft
 fls white
- 3276 *Dioscorea*? ex cordata
 4 ft.
- 3277 Vine 10 ft
 fls white trop compound
- 3278 Tree 15 ft
 fruit red-black
- 3279 Tree 40 ft
 fruit bright red
- 3280 Shrub-like 6 ft
 fls black or waxy sc = 3273?
- Line 24 Bandratail in drum
 drummond wood & bluebells
- 3281 *Sympodium*
- 3282 *Eriobotrya*? shrub 3-4 ft
 fls white
- 3283 Creeping herb. close to ground
 fls white, fruit blue
- 3284 *Bilbergia*?
 inf short as leaves
 on trees, often Pisonia, sandalwood

- 3285 Small twin Polypodium
 on tree
- 3286 Feltly fern
- 3287 Trileg fern smaller
- 3288 Twin 20 ft.
 fray small
- 3289 Under shrub, spicier
 ft white - 6 ft. slender
- 3290 Fern on tree
 thick creeping rhizome
- 3291 Asclep. twin 2-3 ft } blackish fruit
- 3292 Slender 6 ft velvety } blackish ft
- 3293 Ficus, tree 30 ft
- Dec 27 Hadas San well
 arroya
- 3294 Malvaerae. on Pinus tree
 small 6 in yellow
- 3295 Grapalium infum
 pyramidalis woods
- 3296 Slender tree 15 ft
 fls white fragrant
- 3297 Shrub 8 ft
- 3298 Shrub 1-2 ft
 " ft red
- 3299 Vaseline, broad leaf
 pod 6 in long
- Dec 27 Limestone formation
 along lower incline 500 ft. to
 about alt.
- 3300 "Piper" pallidum leaf
 4-5 ft
- 3301 Adiantum
- 3302 Piper, acuminatum,
 myth, 4-8 ft
- Dec 28 Trail Woodforest to Pachita Gorda
- 3303 Selaginella
 long. creeping
- 3305 Mimosaous Slender
- X 3306 6 ft. fls white, spicule
- 3304 Malvaceae? Shrub 6 ft
 fls orange

- 3306 Shrub 6 ft.
 fl red. Corolla
 3307 Comp., 4 ft
 fls white
 3308 Clerodendron, 10 ft
 fls white fragrant
 3309 Tree 12 ft, aromatic fls
 bark very like *Bursera*
 3310 Shrub, Stromaeaceae?
 Shrub 4-6 ft
 3311 S-shrub
 4-6 ft
 3312 Shrub 3 ft
 fls white fragrant
 3313 Ericaceous? Tree
 20-30 ft
 3314 Comp. 2 ft
 fls, aromatic
 3315 Cypress.
 2-3 ft
 3316 Spiny Shrub 3-4 ft
 fruit fleshy, red
 3317 Comp.
 bran radical, fls white?
 3318 *Thrinax* if = *Holgamia*
 6-8 ft, fruit black?
- 3319 Shrub to small tree
 6-12 ft, fls white fragrant, red
 3320 Yacoma? Tree to 26 ft
 w/ sp. bark
 3321 Vines 10 ft?
 3322 S shrub 4 ft
 fls white Currant
 3223 Vine-like shrub
 fls holly like, w/ sp. leaf
 3324 Trapfera Vanilla
 on wet & brushy
 3325 Mission fls? yellow
 Dec. 30,
 3326 Sympodium on grs,
 near stream & edge of pine
 3327 Bromellia small granular
 X fls blue, bracts red
 3328 Alocasia, slender 2 ft
 with fls tubular, 2 in, white 1 in
 3329 Bromellia, small
 smooth

3. *Cryptogramme* (Saxif.)
Servaria type, variety of woodfred
 mostly in rich damp, ravine
 banks, in dense deciduous
 forests, otherwise, rare in mixed
 woods, except H. 3330 to 3333

3330 *Mus* var
Pteridum *giganteum*

3331 " " *Mus* *lunatum*

3332 " " "

3333 " " "

3334 " var
 woodfred

3335 " " "

3336 " " "

3337 " " "

3338 " " "

3339 " " "

3340 " " "

3341 " " "

3342 " " "

3343 *Sphagnum* ?

3344 *Mus* ?

3345 " ? ?

| | | |
|------|---|----------|
| 3346 | <i>Mus</i> | woodfred |
| 3347 | " | " |
| 3348 | " | " |
| 3349 | " | " |
| 3350 | " | " |
| 3351 | " | " |
| 3352 | " | " |
| 3353 | " | " |
| 3354 | " | " |
| 3355 | <i>Marchantia</i> ? | " |
| 3356 | <i>Hypatium</i> ? | " |
| 3357 | " | " |
| 3358 | " | " |
| 3359 | <i>Sclerurus</i> , mostly in poor banks | " |
| 3360 | " | " |
| 3361 | " | " |
| 3362 | " | " |
| 3363 | " | " |
| 3364 | " | " |
| 3365 | " | " |
| 3366 | " | " |
| 3367 | " | " |
| 3368 | " | " |
| 3369 | " | " |
| 3370 | " | " |
| 3371 | " | " |

3372 Fungi Woodpecker

to

3376 " Puff Balls "

3377 " Puff Balls "

to

3379 " "

3380 Brackets, "

3383 " " "

3384 " (on Pine) "

3385 Fungi "

3386 " (on Pine) "

3387 " "

" "

3395 " "

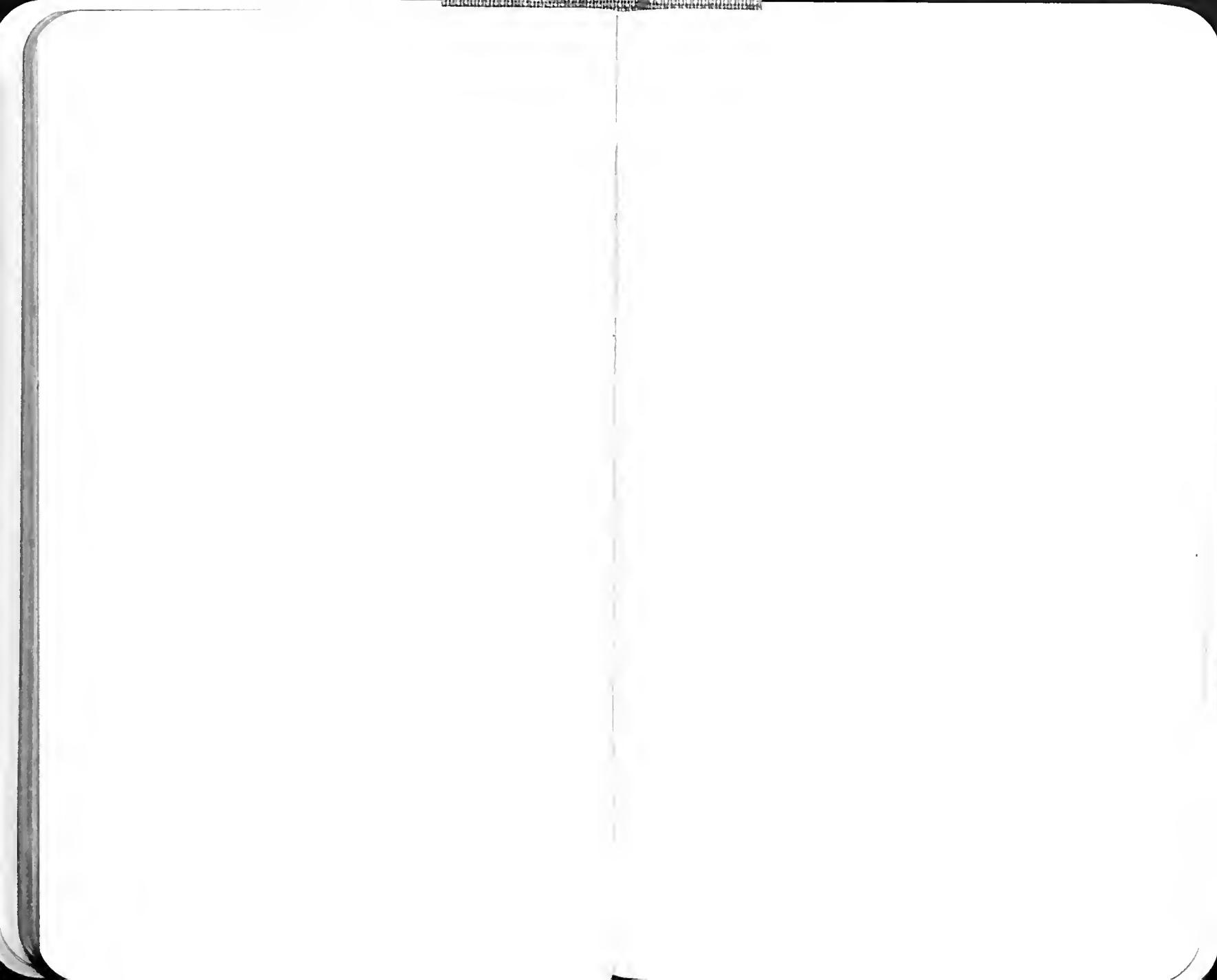
3396 " on fol. of

Audromedea

3397 Fungi (on Pine) "

3398 " "

3399 " "



Conservation work performed
1987-1988. NY State
Conservation/Preservation
Discretionary Grant.

